

**Tempe Fire Department Policies and Procedures**  
**Portable Hose Tester Operating Instructions**  
**405.03E**  
**Rev 1-22-98**

**PURPOSE**

To establish standard operating instructions for the Delta portable hose tester.

**POLICY**

All fire hose is to be tested annually (refer to "Hose Maintenance and Testing" 405.03D). The portable hose tester is to be utilized for this purpose in order to reduce wear and tear on apparatus fire pumps and to allow fire companies to more readily remain in an available status.

**OPERATING INSTRUCTIONS**

- Follow all safety precautions.
  - Check the pump's oil for it's proper level. Proper level is 1/2 full.
1. Connect the water supply line to the swivel inlet.
  2. Connect hose lines for testing.
  3. Open ALL valves. "Check Valves" open & close automatically. Cap off all Check Valves not being used.
  4. Turn on the water supply.
  5. Bleed ALL air from the hose(s) as they are filling.
  6. After hose is filled, CLOSE the INCOMING MANIFOLD VALVE. (The hose will not pressurize until after this valve has been CLOSED. DO NOT shut off the water supply (hydrant) as the pump needs additional water to pressurize the hose.
  7. PRESSURIZING THE HOSE:
    - Make sure the small (1/4") valve located between the pump and manifold is OPEN.
    - Start the pump to slowly pressurize the hose.
    - Turn the "T" handle (pressure-regulator valve) clockwise all the way in.
    - WATCH THE GAUGE CLOSELY - As the pressure reaches the desired test pressure, turn the "T" handle counter-clockwise until the pressure stops building or shut the pump off altogether. It may be restarted at any time should additional pressure be needed.
  8. Repeat the above process for each test.